

FIG. 1A

FIG. 1E

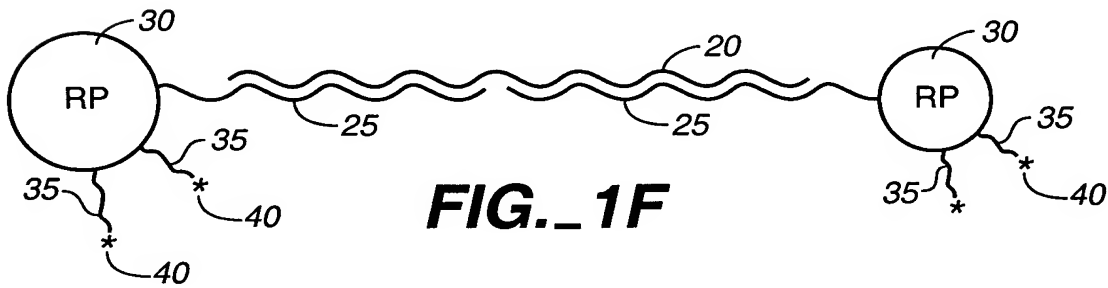
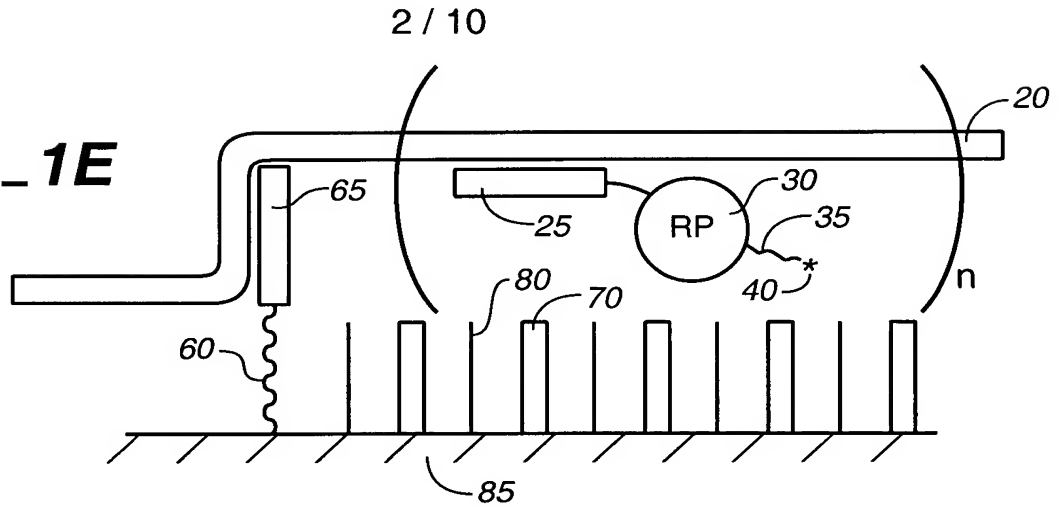


FIG. 1F

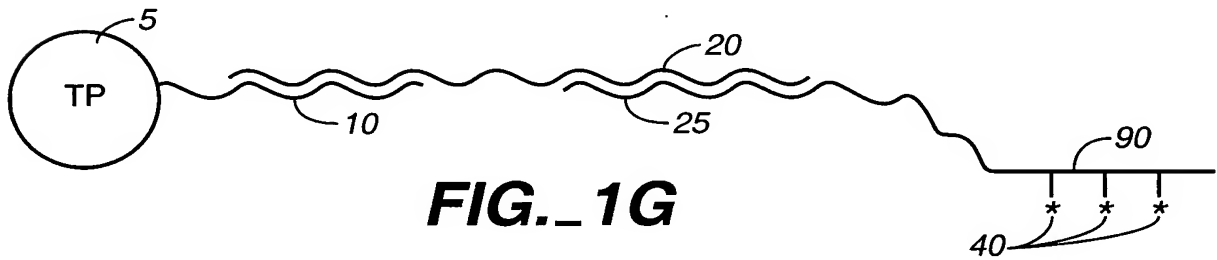
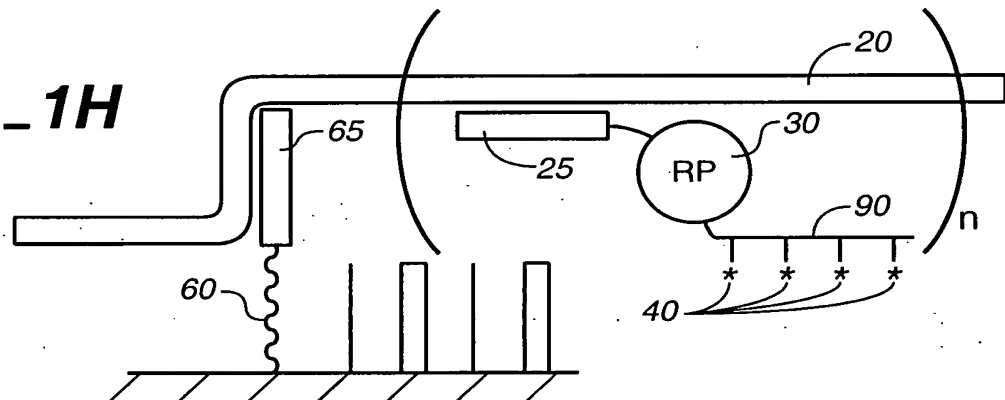


FIG. 1G

FIG. 1H



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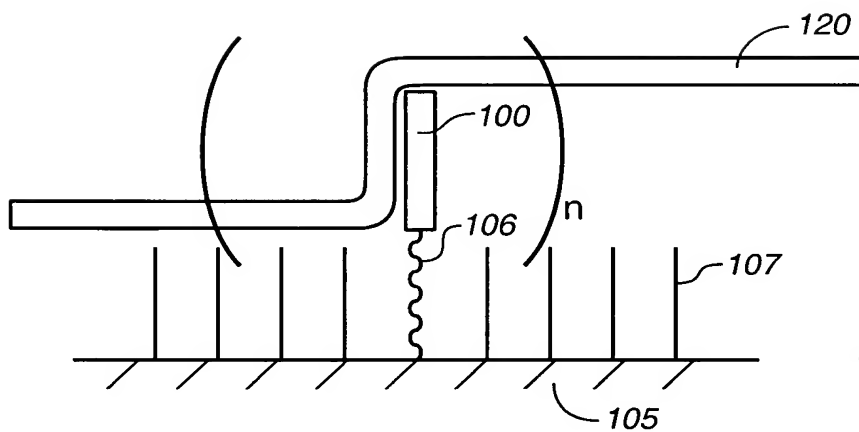


FIG. 2A

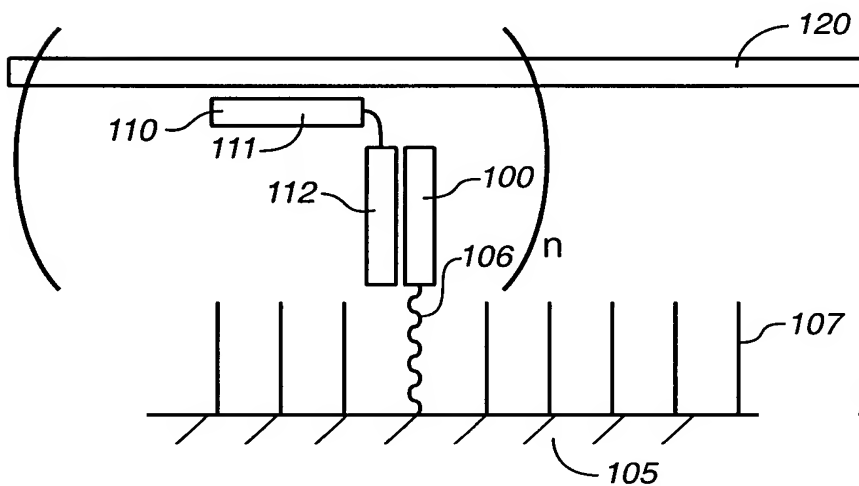


FIG. 2B

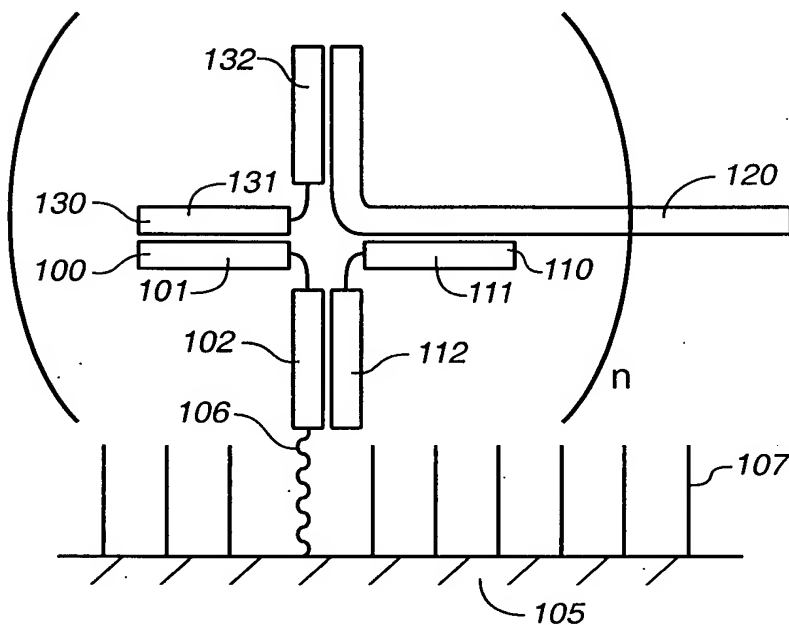
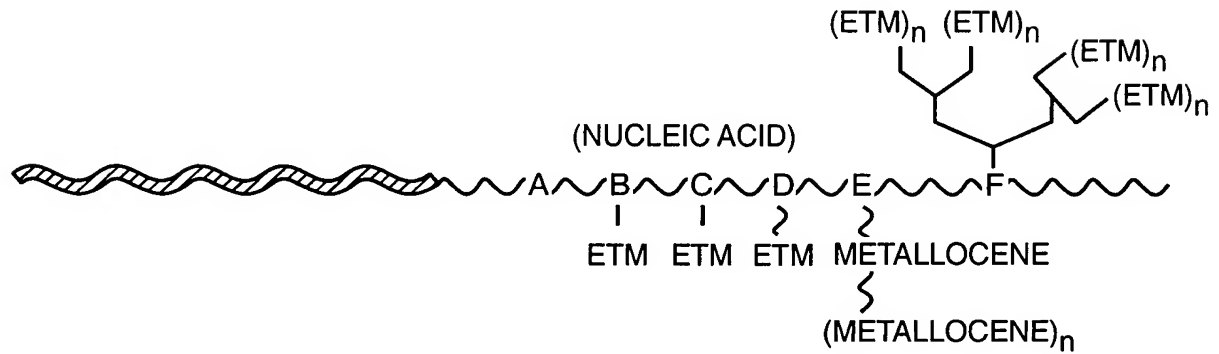


FIG. 2C

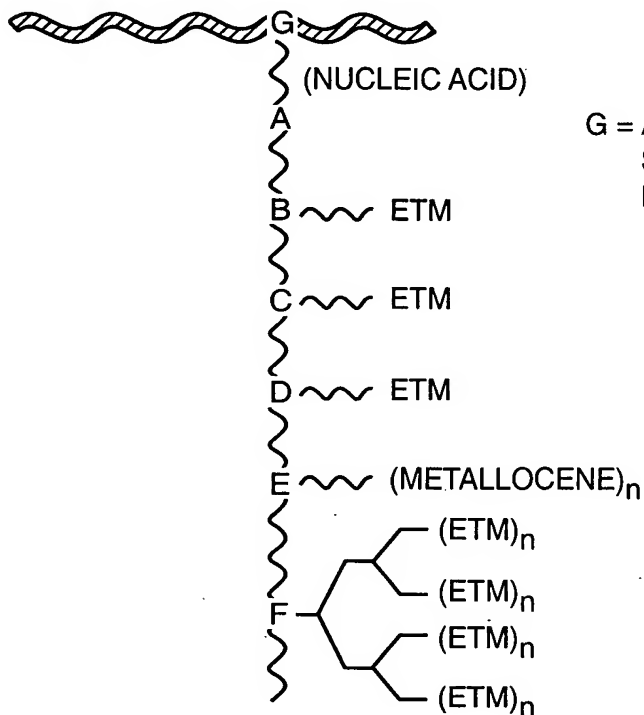
FIG. 2A

 = FIRST HYBRIDIZABLE PORTION OF LABEL PROBE
 = RECRUITMENT LINKER



A = NUCLEOSIDE REPLACEMENT
 B = ATTACHMENT TO A BASE
 C = ATTACHMENT TO A RIBOSE
 D = ATTACHMENT TO A PHOSPHATE

E = METALLOCENE POLYMER, ATTACHED
 TO A RIBOSE, PHOSPHATE, OR BASE
 F = DENDRIMER STRUCTURE, ATTACHED
 VIA A RIBOSE, PHOSPHATE OR BASE

FIG. 3A

G = ATTACHMENT VIA A "BRANCHING
 STRUCTURE", THROUGH RIBOSE,
 PHOSPHATE OR BASE

FIG. 3B

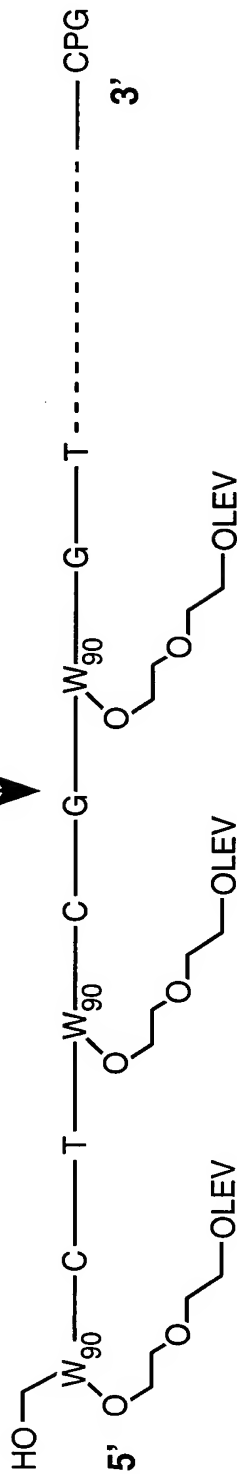
[illegible]

FIG._4

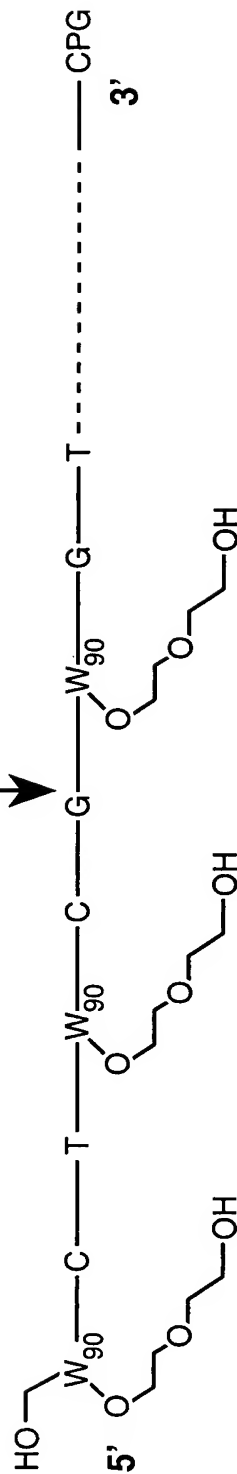
FIG._4A
FIG._4B
FIG._4C

FIG._4A

STANDARD DNA SYNTHESIS USING W90

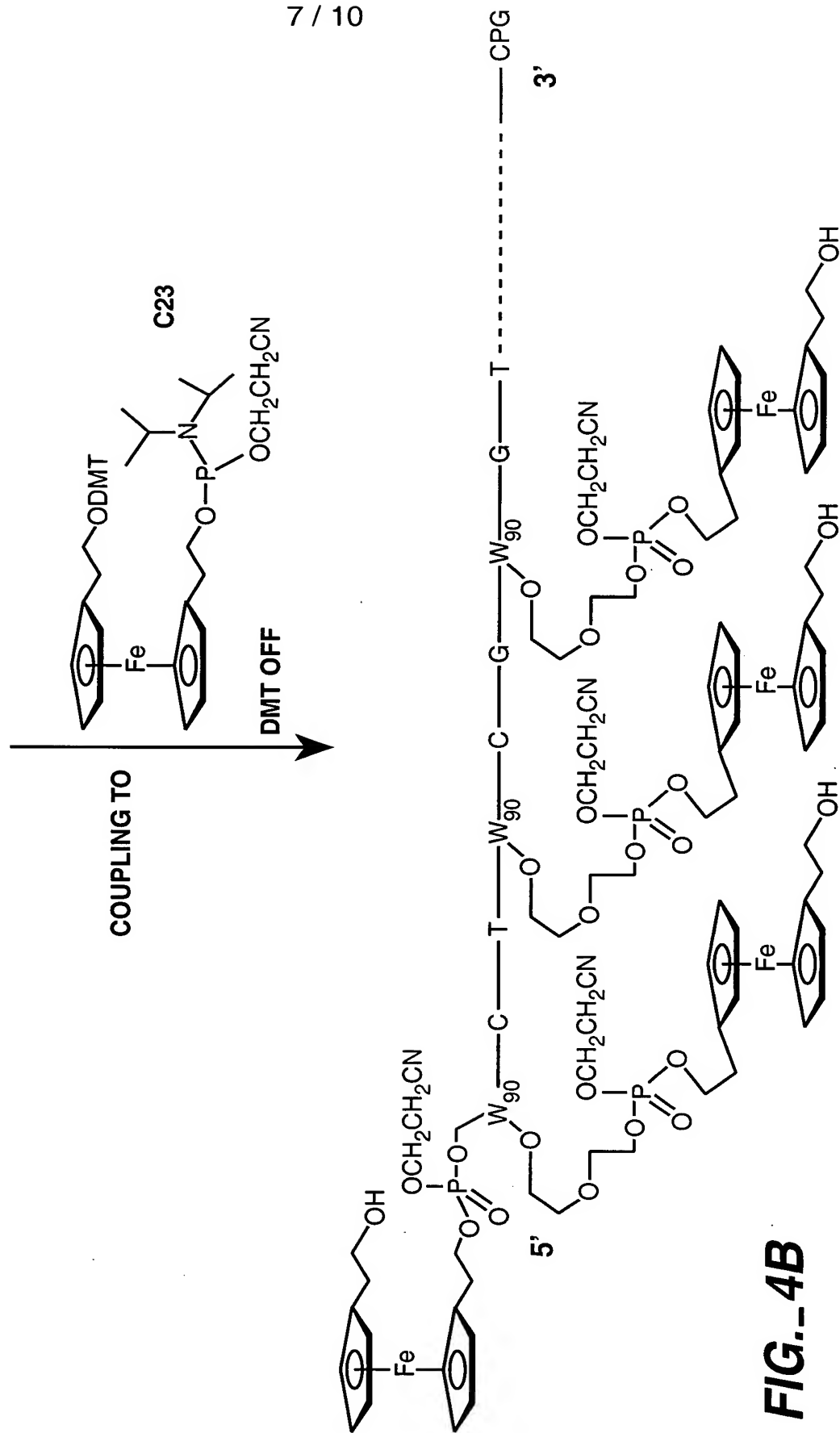


NH₂NH₂ / ACETIC ACID / PYRIDINE



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FIG. 4B



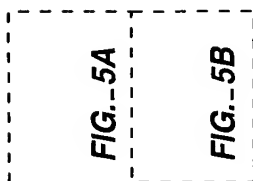
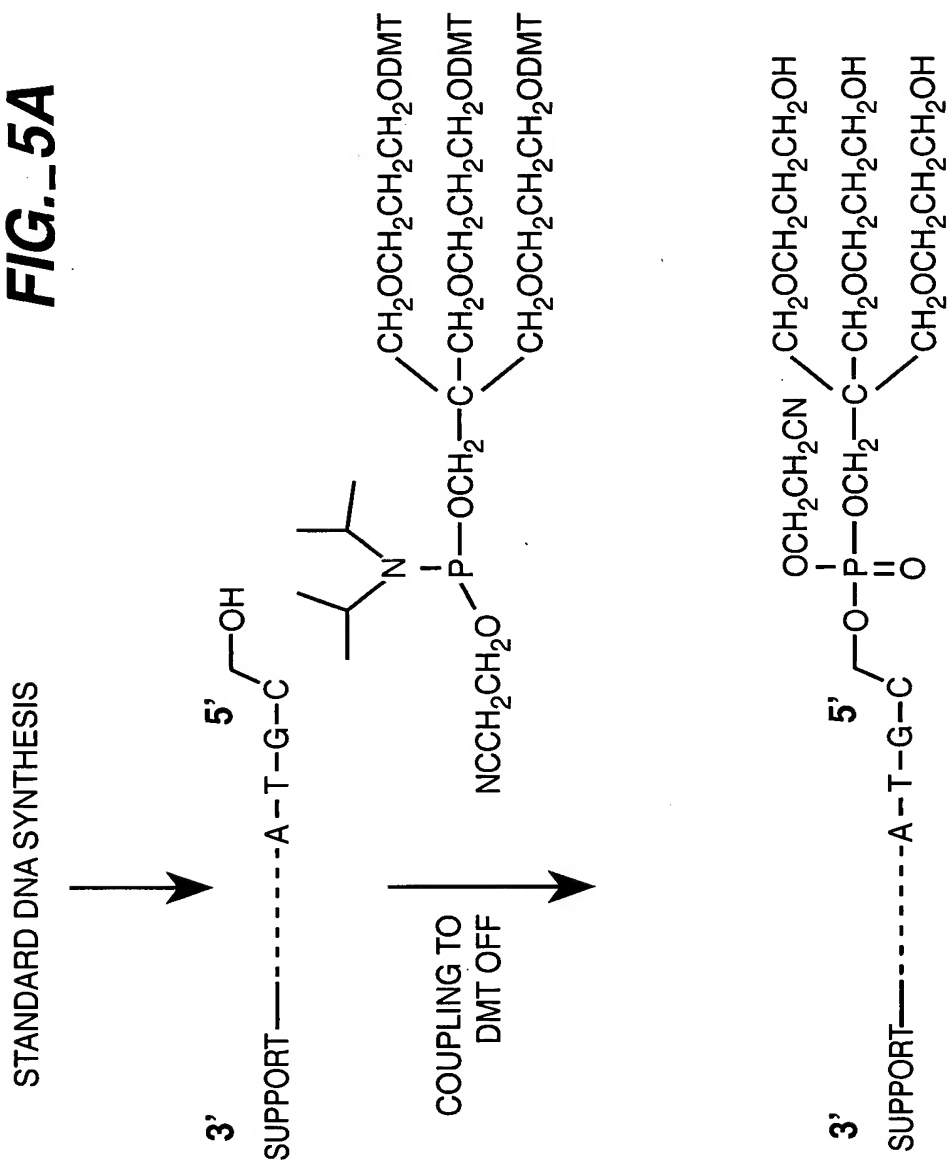


FIG. 5

FIG. 5A



THIS COUPLING PROCESS CAN BE
REPEATED UNTIL DESIRED # OF THE
BRANCHING POINTS

